

COPY-FILE

File	37
Op-Sys	OS/390, VSE/ESA, BS2000/OSD
Statement	PROCESS
Task	Copy files or library members. The copy operation can be done without restrictions, that is, across operating systems, with the exception of executable items (e.g., copying an OS/390 load module to a VSE/ESA phase is prohibited). Both source and target files must exist before this function is executed.
	BS2000/OSD: Copying to a BS2000/OSD target can only be performed, if the target is locally available.
	OS/390: Load modules can only be copied from PDS to PDS, while program objects can only be copied from PDSE to PDSE. Mixing of PDS and PDSE formats is unavailable due to IBM restrictions.

Common Fields for all Operating Systems

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-CODE	N3			
ERROR-TEXT	A58			
NODE	N5		D	
NODE-NAME	A16		D	
SYSTEM-MESSAGE-CODE	A10			
FROM-DSNAME	A54		D	Required
FROM-PRODUCT	A1		D	
FROM-PASSWORD	A8		D	Not for VSE/ESA
TO-DSNAME	A54		D	Required
TO-PRODUCT	A1		D	
TO-PASSWORD	A8		D	Not for VSE/ESA
REPLACE	A3		D	

Additional Fields Supported for OS/390

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-NODE	N5			
ERROR-VIEW	N3			
FROM-VOLSER	A6		D	
FROM-TAPE-DDNAME	A8		D	
FROM-TAPE-FILE-SEQUENCE	B2		D	
FROM-USERID	A8		D	
FROM-USER-PASSWORD	A8		D	
FROM-MEMBER	A8		D	
FROM-NODE	N5		D	
TO-VOLSER	A6		D	
TO-TAPE-DDNAME	A8		D	
TO-TAPE-FILE-SEQUENCE	B2		D	
TO-USERID	A8		D	
TO-USER-PASSWORD	A8		D	
TO-MEMBER	A8		D	
TO-NODE	N5		D	

Additional Fields Supported for VSE/ESA

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-NODE	N5			
ERROR-VIEW	N3			
FROM-VOLSER	A6		D	
FROM-TAPE-DDNAME	A8		D	
FROM-TAPE-FILE-SEQUENCE	B2		D	
FROM-USERID	A8		D	
FROM-MEMBER	A8		D	
FROM-NODE	N3		D	
TO-VOLSER	A6		D	
TO-TAPE-DDNAME	A8		D	
TO-TAPE-FILE-SEQUENCE	B2		D	
TO-USERID	A8		D	
TO-MEMBER	A8		D	
TO-NODE	N3		D	
FROM-LIBRARY	A8		D	
FROM-SUB-LIBRARY	A8		D	
FROM-MEMBER-TYPE	A8		D	
FROM-VSAM-CATALOG	A7		D	
FROM-LRECL	B2		D	
FROM-BLKSIZE	B2		D	
FROM-RECFM	A2		D	
TO-LIBRARY	A8		D	
TO-SUB-LIBRARY	A8		D	
TO-MEMBER-TYPE	A8		D	
TO-VSAM-CATALOG	A7		D	

Additional Fields Supported for BS2000/OSD

Dictionary Field Name	F/L	Mu	DE	Remarks
SYSTEM-CODE	B2			
SAME	A3		D	
DSORG	A4		D	
FROM-ELEMENT	A64		D	
FROM-ELEMENT-VERSION	A24		D	
FROM-ELEMENT-TYPE	A8		D	
FROM-ELEMENT-PASSWORD	A8		D	
TO-ELEMENT	A64		D	
TO-ELEMENT-VERSION	A24		D	
TO-ELEMENT-TYPE	A8		D	
TO-ELEMENT-PASSWORD	A8		D	
TO-ELEMENT-USER-DATE	A14		D	
TO-ELEMENT-USER-TIME	A8		D	

Relevant Error Codes

Code	Text	OS/390	VSE/ESA	BS2000/OSD
530	Access denied by Security Facility	X		X
549	Not a PDSE data set	X		
659	Dataset is already cataloged	X		X
670	View not supported on one of the operating systems	X	X	
673	Access error due to FILETABLE=STATIC		X	
674	VTOC error reading format-3 labels		X	
675	:1: not supported		X	
676	Not first volume of multi-volume file		X	
678	MEMBER already exists.			X
679	Input and output files are incompatible	X	X	
683	FAMS error, R15 = :1:, R0 = :2:	X		
685	FAMS subtask abended	X		
699	GETVIS failed	X	X	
701	DSNAME missing	X	X	X
772	Requested dataset not found	X	X	X
799	Entire System Server internal error			X
858	Not authorized		X	
983	REMOTE-COPY not supported by COPY-FILE			X
991	Unknown product			X
998	Member not found	X	X	

Note:

Any possible return code from READ-FILE, WRITE-FILE, LIB-DIRECTORY, LIB-UPDATE, SYSTEM-INFO and NATPROC-LOGON may also be returned.

Field Descriptions

Note:

Specification of user ID and password are only required if they are different from the local user ID and password.

Field Name	Type/Length	Operating System
DSORG	(A4)	BS2000/OSD

For copy of LMS element to file: DSORG of target file. Possible values:

Value	Explanation
CAT	DSORG as defined within catalog entry of file.
SAM	DSORG = SAM
ISAM	DSORG = ISAM

The default is the default of the LMS.

Field Name	Type/Length	Operating System
ERROR-NODE	(N5)	OS/390, VSE/ESA, BS2000

If an error occurred during processing, this contains the node which returned the error code.

Field Name	Type/Length	Operating System
ERROR-VIEW	(N3)	OS/390, VSE/ESA, BS2000

If an error occurred during processing, this contains the view number (called internally by COPY-FILE) which returned the error code. If it is zero, then the error was not returned by a called view.

Field Name	Type/Length	Operating System
FROM-BLKSIZE	(B2)	VSE/ESA

Block size of file to be copied.

Field Name	Type/Length	Operating System
FROM-DSNAME	(A54)	OS/390, VSE/ESA, BS2000/OSD

Fully qualified input dataset name.

Field Name	Type/Length	Operating System
FROM-ELEMENT	(A64)	BS2000/OSD

Name of LMS element to be copied.

Field Name	Type/Length	Operating System
FROM-ELEMENT-PASSWORD	(A8)	BS2000/OSD

Password for protected input element.

Field Name	Type/Length	Operating System
FROM-ELEMENT-TYPE	(A8)	BS2000/OSD

Type of LMS element to be copied.

Field Name	Type/Length	Operating System
FROM-ELEMENT-VERSION	(A24)	BS2000/OSD

Version of LMS element to be copied.

Field Name	Type/Length	Operating System
FROM-LIBRARY	(A8)	VSE/ESA

Library name from which to copy.

Field Name	Type/Length	Operating System
FROM-LRECL	(B2)	VSE/ESA

Record length of file to be copied.

Field Name	Type/Length	Operating System
FROM-MEMBER	(A8)	OS/390, VSE/ESA

Name of the member to be copied.

Field Name	Type/Length	Operating System
FROM-MEMBER-TYPE	(A8)	VSE/ESA

Type of the member which is to be copied.

Field Name	Type/Length	Operating System
FROM-NODE	(N5)	OS/390, VSE/ESA

Entire System Server node ID from which to copy.

Field Name	Type/Length	Operating System
FROM-PASSWORD	(A8)	OS/390, BS2000/OSD

Password for input dataset.

Field Name	Type/Length	Operating System
FROM-PRODUCT	(A1)	OS/390, VSE/ESA, BS2000/OSD

Specify access method with FROM-LIBRARY:

Value	Explanation
L	CA-Librarian
M	LMS (BS2000/OSD)
P	CA-Panvalet

Field Name	Type/Length	Operating System
FROM-RECFM	(A2)	VSE/ESA

Record format of file to be copied.

Field Name	Type/Length	Operating System
FROM-SUB-LIBRARY	(A8)	VSE/ESA

Sublibrary from which to copy.

Field Name	Type/Length	Operating System
FROM-TAPE-DDNAME	(A8)	OS/390, VSE/ESA

The DD name of the input tape as specified in the view FILE-ALLOCATE.

Field Name	Type/Length	Operating System
FROM-TAPE-FILE-SEQUENCE	(B2)	OS/390, VSE/ESA

The file number of the dataset to be read.

Field Name	Type/Length	Operating System
FROM-USERID	(A8)	OS/390, VSE/ESA

User ID in the FROM-NODE.

Field Name	Type/Length	Operating System
FROM-USER-PASSWORD	(A8)	OS/390

User password in the FROM-NODE.

Field Name	Type/Length	Operating System
FROM-VOLSER	(A6)	OS/390, VSE/ESA

Volume serial number of the input dataset.

Field Name	Type/Length	Operating System
FROM-VSAM-CATALOG	(A7)	VSE/ESA

Name of the VSAM catalog where the FROM-LIBRARY is kept.

Field Name	Type/Length	Operating System
REPLACE	(A3)	OS/390, VSE/ESA, BS2000/OSD

Possible options:

Option	Explanation
NO	Add object to library. If an object with the same name already exists, issue error code.
REP	Replace object of the same name. If it does not exist, issue error code.
YES	Default. Add object to library. If an object with the same name already exists, replace it.

Field Name	Type/Length	Operating System
SAME	(A3)	BS2000/OSD

Specify YES for the output file to have the same security and save options as the input file.

Field Name	Type/Length	Operating System
TO-DSNAME	(A54)	OS/390, VSE/ESA, BS2000/OSD

Fully qualified output dataset name.

Field Name	Type/Length	Operating System
TO-ELEMENT	(A64)	BS2000/OSD

Name of target LMS element.

Field Name	Type/Length	Operating System
TO-ELEMENT-PASSWORD	(A8)	BS2000/OSD

Password for protected output element.

Field Name	Type/Length	Operating System
TO-ELEMENT-TYPE	(A8)	BS2000/OSD

Type of target LMS element.

Field Name	Type/Length	Operating System
TO-ELEMENT-USER-DATE	(A14)	BS2000/OSD

User date for output element. Format: YYYY-MM-DDaaaa, where aaaa can be any 4-character string.

Field Name	Type/Length	Operating System
TO-ELEMENT-USER-TIME	(A8)	BS2000/OSD

User time for output element. Format: HH:MM:SS.

Field Name	Type/Length	Operating System
TO-ELEMENT-VERSION	(A24)	BS2000/OSD

Version of LMS element to which is to be copied.

Field Name	Type/Length	Operating System
TO-LIBRARY	(A8)	VSE/ESA

Library name to which to copy.

Field Name	Type/Length	Operating System
TO-MEMBER	(A8)	OS/390, VSE/ESA

Name to be assigned to the member in the output dataset. By default, the name of the input member is taken.

Field Name	Type/Length	Operating System
TO-MEMBER-TYPE	(A8)	VSE/ESA

Type of the copied member in the TO-LIBRARY.

Field Name	Type/Length	Operating System
TO-MSHP	(A3)	VSE/ESA

Indicate MSHP bypass required when copying members. Possible values:

Value	Explanation
NO	No MSHP bypass required.
YES	MSHP bypass to be performed.

Field Name	Type/Length	Operating System
TO-NODE	(N5)	OS/390, VSE/ESA

Entire System Server node ID to which to copy.

Field Name	Type/Length	Operating System
TO-PASSWORD	(A8)	OS/390, BS2000/OSD

Password for output dataset.

Field Name	Type/Length	Operating System
TO-PRODUCT	(A1)	OS/390, VSE/ESA, BS2000/OSD

Specify access method for TO-LIBRARY:

Value	Explanation
L	CA-Librarian
M	LMS (BS2000/OSD)
P	CA-Panvalet

Field Name	Type/Length	Operating System
TO-SUB-LIBRARY	(A8)	VSE/ESA

Sublibrary from which to copy.

Field Name	Type/Length	Operating System
TO-TAPE-DDNAME	(A8)	OS/390, VSE/ESA

The DD name of the output tape as specified in the view FILE-ALLOCATE.

Field Name	Type/Length	Operating System
TO-TAPE-FILE-SEQUENCE	(B2)	OS/390, VSE/ESA

The file number of the dataset to be written.

Field Name	Type/Length	Operating System
TO-USERID	(A8)	OS/390, VSE/ESA

User ID in the TO-NODE.

Field Name	Type/Length	Operating System
TO-USER-PASSWORD	(A8)	OS/390

User password in the TO-NODE.

Field Name	Type/Length	Operating System
TO-VOLSER	(A6)	OS/390, VSE/ESA

Volume serial number of the output dataset.

Field Name	Type/Length	Operating System
TO-VSAM-CATALOG	(A7)	VSE/ESA

Name of the VSAM catalog where the TO-LIBRARY is kept.